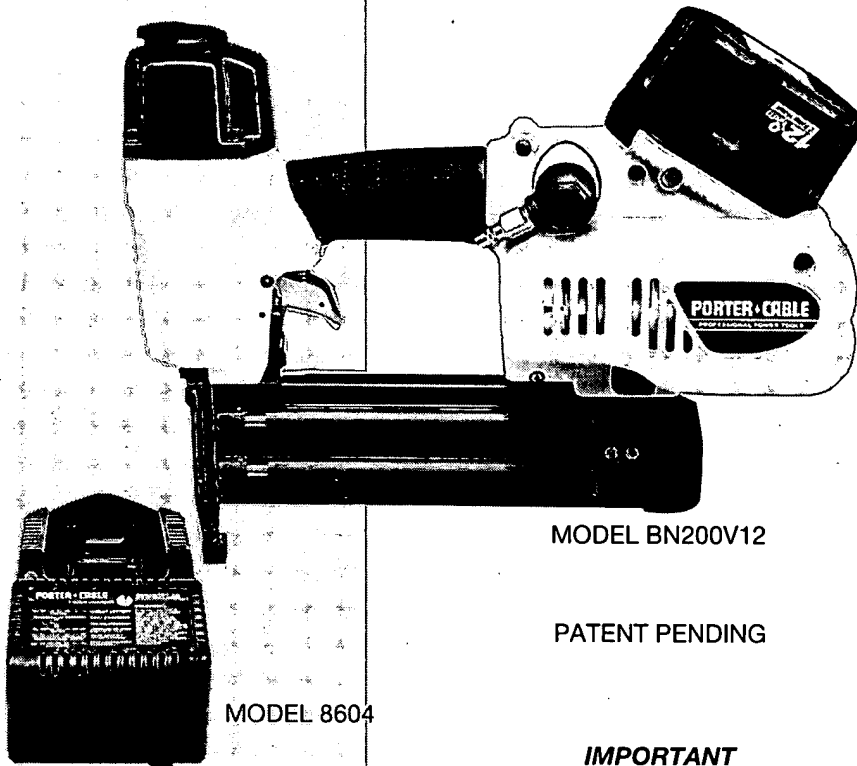


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Instruction manual

CORDLESS BRAD NAILER



MODEL BN200V12

PATENT PENDING

MODEL 8604

To learn more about Porter-Cable
visit our website at:

<http://www.porter-cable.com>

PORTER-CABLE
PROFESSIONAL POWER TOOLS

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IMPORTANT

*Please make certain that the person who is
to use this equipment carefully reads and
understands these instructions before
starting operations.*

The Model and Serial No. plate is located on the
magazine of the tool. Record these numbers in the
spaces below and retain for future reference.

Model No. _____

Type _____

Serial No. _____

Part No. 901891 (018)

GENERAL SAFETY RULES

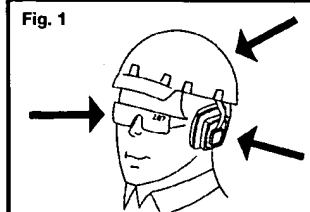
⚠ WARNING: When using pneumatic tools, basic safety precautions should always be followed to reduce the risk of personal injury. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

⚠ WARNING: READ AND UNDERSTAND ALL INSTRUCTIONS.

There are certain applications for which this tool was designed. Porter-Cable strongly recommends that this tool NOT be modified and/or used for any application other than for which it was designed. If you have any questions relative to its application DO NOT use the tool until you have written Porter-Cable and we have advised you.

Technical Service Manager
Porter-Cable Corporation
4825 Highway 45 North
Jackson, TN 38305

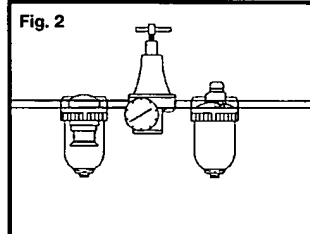
1. USE SAFETY GLASSES. To prevent eye injuries, the tool operator and all persons in the work area must wear safety glasses with permanently attached, rigid, plastic side shields. These safety glasses must conform to ANSI Z87.1 requirements (approved glasses have "Z87" printed or stamped on them). Fig. 1.



2. WEAR EAR PROTECTION to safeguard against possible hearing loss. Fig. 1.

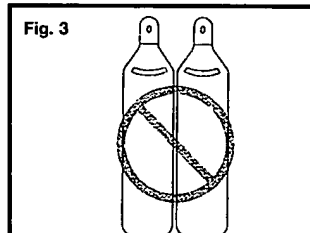
3. OPERATOR AND BYSTANDERS WEAR HARD HAT to safeguard against possible injuries. Fig. 1.

4. USE CLEAN, DRY, REGULATED compressed air at 70 to 120 PSI, (4.8 to 8.3 BAR). Fig. 2.



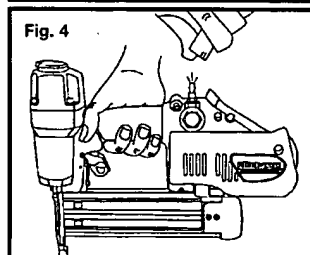
5. DO NOT CONNECT TOOL to pressure which potentially exceeds 200 PSI (13.7 BAR).

6. ONLY USE AIR HOSE THAT IS RATED for a maximum working pressure of at least 150 PSI or 150% of the maximum system pressure, whichever is greater.



7. NEVER USE OXYGEN, CARBON DIOXIDE, combustible gases or any other bottled gas as a power source for this tool: explosion and serious personal injury could result. Fig. 3.

8. THE TOOL COMES EQUIPPED WITH TWIN POWER SOURCE TECHNOLOGY (TPS)™. WHEN USING AN EXTERNAL AIR SOURCE, CONNECT TOOL TO AIR SUPPLY HOSE with a coupling that removes all pressure from the tool when the coupling is disconnected. Fig. 4.



9. THE TOOL COMES EQUIPPED WITH TWIN POWER SOURCE TECHNOLOGY (TPS)[™]. DISCONNECT TOOL FROM AIR SUPPLY HOSE AND/OR REMOVE BATTERY before doing tool maintenance, clearing a jammed fastener, leaving work area, moving tool to another location, handing the tool to another person, or making adjustments. Fig. 4.

10. NEVER USE A TOOL that is leaking air, has missing or damaged parts, or requires repair. Make sure all screws and caps are securely tightened.

11. NEVER USE TOOL IF SAFETY, trigger or springs are inoperable, missing or damaged. Do not alter or remove safety, trigger, or springs. Make daily inspections for free movement of trigger and safety mechanism. Fig. 5.

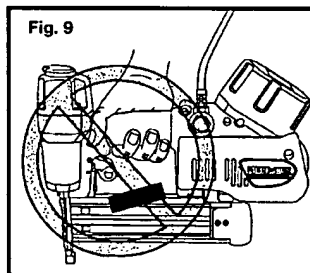
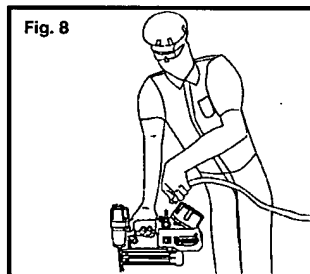
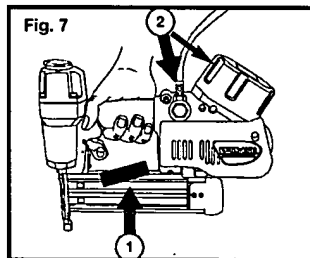
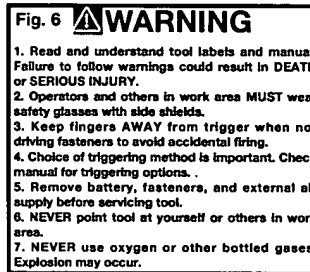
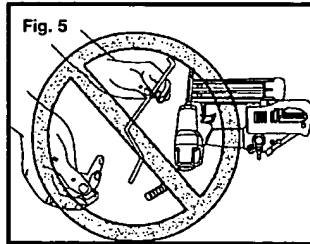
12. DO NOT USE TOOL WITHOUT SAFETY WARNING LABEL. If label is missing, damaged or unreadable, contact your Porter-Cable Service Center for a replacement. Fig. 6.

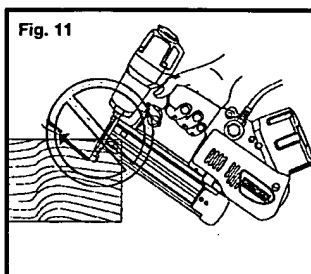
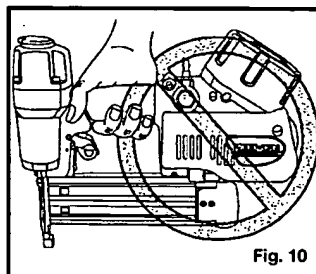
13. ONLY USE PARTS, FASTENERS, AND ACCESSORIES recommended by Porter-Cable.

14. REMOVE ALL FASTENERS from tool before connecting to battery and/or air supply. The tool's driving mechanism may cycle when tool is connected to the power source. Fig. 7.

15. ALWAYS ASSUME THE TOOL CONTAINS FASTENERS. Keep the tool pointed away from yourself and others at all times. No horseplay. Respect the tool as a working implement. Fig. 8.

16. DO NOT LOAD FASTENERS with trigger or safety depressed, to prevent unintentional firing of a fastener. Fig. 9.





17. REMOVE FINGER FROM TRIGGER when not driving fasteners. Never carry tool with finger on trigger. Fig. 10.

18. DON'T OVERREACH. Keep proper footing and balance at all times when using or handling the tool.

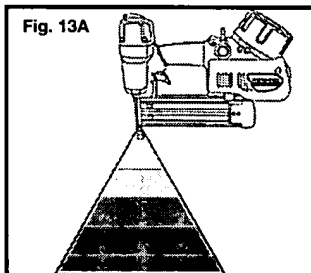
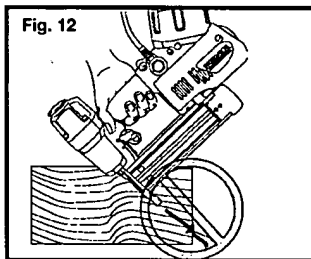
19. FIRE FASTENERS INTO WORK SURFACE ONLY: never into materials too hard to penetrate. Fig. 11.

20. GRIP TOOL FIRMLY TO MAINTAIN CONTROL WHILE allowing tool to recoil away from work surface as fastener is driven.

21. DO NOT DRIVE FASTENERS on top of other fasteners, or with the tool at too steep an angle: the fasteners can ricochet causing personal injury. Fig. 11.

22. DO NOT DRIVE FASTENERS CLOSE to the edge of the workpiece. The workpiece is likely to split allowing the fastener to fly free or ricochet causing personal injury. Fig. 12.

23. KEEP HANDS AND BODY PARTS away from area shown in Fig. 13A, to avoid injury.



WORK AREA

1. **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.
3. **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

1. **The battery pack must be recharged only with the specified charger for the battery.** A charger that may be suitable for one type of battery may create a risk of fire when used with another battery.
2. **Use battery operated tool only with specifically designated battery pack.** Use of any other batteries may create a risk of fire.

PERSONAL SAFETY

1. **Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
2. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts.
3. **Avoid accidental starting. Be sure switch is in the off position before inserting battery pack.** Carrying tools with your finger on the switch or inserting the battery pack into a tool with the trigger on invites accidents.
4. **Remove adjusting keys or wrenches before turning the tool on.** A wrench or a key that is left attached to the tool may result in personal injury.
5. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enable better control of the tool in unexpected situations.
6. **Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

TOOL USE AND CARE

1. **Use clamps or other practical way to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.
2. **Do not force tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.
3. **Do not use tool if switch does not turn it on or off.** A tool that cannot be controlled with the switch is dangerous and must be repaired.
4. **Disconnect battery pack from tool and place the switch in the OFF position before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.
5. **Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
6. **When battery pack is not in use, keep it away from other metal objects like: paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another.** Shorting the battery terminals together may cause sparks, burns, or a fire.

7. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.

8. Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool may create a risk of injury when used on another tool.

SERVICE

1. Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel may result in a risk of injury.





2. When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance Section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of shock or injury.

SPECIFIC SAFETY RULES AND SYMBOLS

1. Be aware that this tool is always in an operating condition, because it does not have to be plugged into an electrical outlet. Always set the switch to the OFF position when installing or removing the battery pack or nails.

2. Never hold work in your hand, lap, or against other parts of your body when nailing.

3. Some wood contains preservatives which can be toxic. Take extra care to prevent inhalation and skin contact when working with these materials. Request, and follow, all safety information available from your material supplier.

SYMBOL	DEFINITION
V	volts
A	amperes
Hz	hertz
W	watts
PSI	pounds per square inch
Min.	minimum
Max.	maximum
in.	inch
MM	millimeters
h	hours
min	minutes
s	seconds
	alternating current
	direct current
n_0	no load
	alternating or direct current
	Class II Construction
.../min	revolutions or reciprocation per minute

SAFETY INSTRUCTIONS FOR CHARGER AND BATTERIES

1. **SAVE THESE INSTRUCTIONS.** This manual contains important safety and operating instructions for Porter-Cable Battery Charger.

2. Before using a battery charger, read all instructions and cautionary markings on (1) battery charger, (2) battery pack, and (3) product using battery.

3. CAUTION: To reduce risk of injury, Porter-Cable charger should only be used to charge Porter-Cable battery pack. Other types of batteries may burst causing personal injury and damage. Do not charge Porter-Cable battery pack with any other charger.

4. Do not expose charger to rain, snow or frost.

5. Do not abuse cord. Never carry charger by cord or yank it to disconnect from receptacle. Pull by plug rather than cord when disconnecting charger. Have damaged or worn power cord and strain reliever replaced immediately. **DO NOT ATTEMPT TO REPAIR POWER CORD.**

6. Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.

7. Do not use an extension cord unless absolutely necessary. Use of improper extension cord could result in a risk of fire and electric shock. If an extension cord must be used, make sure:

A. That the pins on plug of extension cord are the same number, size and shape as those of plug on charger.

B. That the extension cord is properly wired and in good electrical condition.

C. Wire Size of cord is at least as specified in following chart:

LENGTH OF CORD IN FEET	25	50	100	150
AWG SIZE OF CORD	18	18	18	16

D. If an extension cord is to be used outdoors it must be marked with the suffix W-A or W following the cord type designation. For example - SJTW-A to indicate it is acceptable for outdoor use.

8. Do not operate charger with damaged cord or plug – have them replaced immediately, to avoid a hazard. **DO NOT ATTEMPT TO REPAIR POWER CORD.**

9. Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified serviceman.

10. Do not disassemble charger or battery pack. Take it to a qualified serviceman when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.

11. Unplug charger from outlet before attempting any maintenance or cleaning – to reduce risk of electric shock.

12. Charge the battery pack in a well ventilated place, do not cover the charger and battery pack with a cloth, etc., while charging.

13. Do not store the charger or battery pack in locations where the temperature may reach or exceed 122°F (50°C) (such as a metal tool shed, or a car in the summer), which can lead to deterioration of the storage battery.

14. Do not charge battery pack when the temperature is BELOW 40°F or ABOVE 104°F (4.4/40°C) . This is very important for proper operation.

15. Do not incinerate battery pack. It can explode in a fire.

16. Do not charge battery in damp or wet locations.

17. Do not attempt to charge any other cordless tool or battery pack with the Porter-Cable charger.

18. Do not short across the terminals of the battery pack: **EXTREMELY HIGH TEMPERATURES COULD CAUSE PERSONAL INJURY OR FIRE.**

19. Dispose of expended batteries properly. Porter-Cable Battery Packs contain rechargeable, nickel-cadmium batteries. These batteries must be recycled or disposed of properly. Drop off expended battery packs at your local replacement battery retailer, your local recycling center, or at a Porter-Cable Service Center (see list on back page of this manual). Applicable fees for the collection and recycling of these batteries (in the United States), have been paid to the RBRC[™]. For further information, call: 1-800-8-BATTERY.



RBRC[™] is a Trademark of the Rechargeable Battery Recycling Corporation.

SAVE THESE INSTRUCTIONS

EMPLOYER'S RESPONSIBILITIES

⚠ WARNING: Employer must enforce compliance with the safety warnings and all other instructions contained in this manual.

Keep this manual available for use by all people assigned to use this tool.

For personal safety and proper operation of this tool, read and follow all of these instructions carefully.

FUNCTIONAL DESCRIPTION

FOREWORD

Porter-Cable Model BN200V12 is a heavy duty, cordless, pneumatic brad nailer. It is designed to install 18 ga. brad nails of various lengths from 3/4" to 2". The tool comes equipped with Porter-Cable exclusive Twin Power Source Technology (TPS)[™], utilizing a built in, battery powered, air compressor with Energy Management Control Circuit (Emc²)[™], or it can be used with a standard shop air compressor. It also has a user selectable multi-position switch, built in pressure relief valve, and electronic self diagnostic LED display. Tool is operational after only five seconds of pressure build up time and can fire up to one nail per second.

POWER SOURCE

This tool is designed to operate on self contained, battery powered, internal compressed air or compressed air provided by an External source. A four position switch is provided for operation settings. Internal air "HIGH" pressure position set point provides the most power for the most demanding driving applications. Internal air "NORMAL" pressure position set point provides the most commonly used power range for most driving applications, and is the preferred setting for internal compressor cycling and battery life. The "OFF" position disables the tool and, through internal mechanical linkage, opens the internal pressure relief valve. As an added safety feature, the tool will automatically shut off if the pressure relief valve remains open beyond three minutes or if the tool remains idle for more than two hours. In either case the switch must be moved to the "OFF" position and then to another setting. "EXT AIR" (external) provides alternate shop air capability, if desired. If compressed shop air is used, it needs to be clean, dry, and regulated at pressures between 70 and 120 PSI (4.8 to 8.3 BAR) (Pounds per Square Inch). The shop air system should include a filter, a pressure regulator, and an automatic oiler located as close to the tool as possible (within 15 feet is ideal).


All compressed air contains moisture and other contaminants that are detrimental to internal components of the tool. When using external air, an air line filter will remove most of these contaminants and significantly prolong the life of the tool. If an in-line oiler is not available and/or Internal air is used: place 5 - 6 drops of Porter-Cable Air Tool Oil into the tool's male connector air inlet at the beginning of each workday. **NOTE:** To add oil, the male connector must be rotated to the 12 o'clock position (B) Fig. 14A, and then back to the closed position for Internal air operation.

The tool is equipped with a special $\frac{1}{4}$ " male quick connector. A $\frac{3}{8}$ " male quick connector is available from Porter-Cable and may be used in situations where a $\frac{1}{4}$ " supply line is not available. When using external air, the tool must always be connected to the air supply with a coupling such that all pressure is removed from the tool when the coupling is disconnected. **NOTE:** Standard male quick connectors may be used but, due to size, do not stow away as compactly.

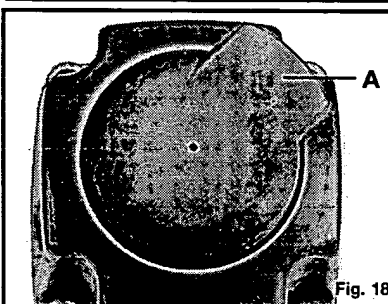
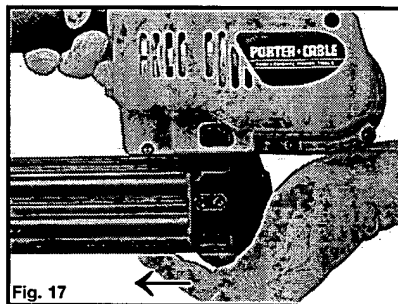
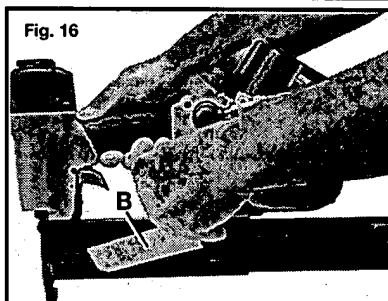
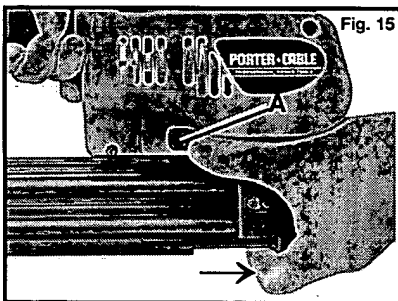
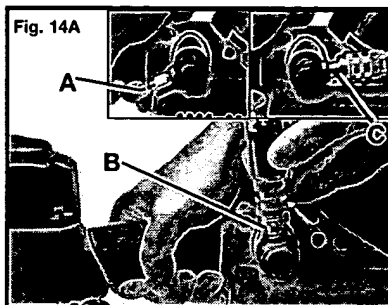
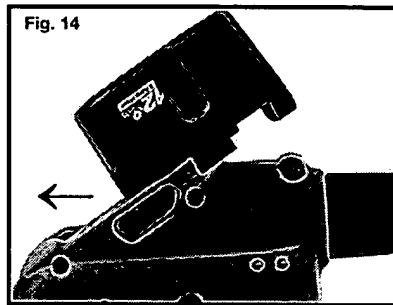
- **CAUTION:** All air line components (hoses, connectors, filters, regulators, etc.) must have a minimum working pressure rating of at least 150 PSI (10.3 BAR) or 150% of maximum system potential, whichever is higher.
- Do not connect this tool to a system with maximum potential pressure greater than 200 PSI, (13 BAR).
- Only connect tool to air supply with a coupling that will release all pressure from the tool when disconnected.
- Disconnect tool from air supply and/or remove battery before performing maintenance, clearing a jammed fastener, leaving work area, moving tool to another location, handing the tool to another person, or making adjustments.

PREPARING THE TOOL

1. After reading and understanding this entire manual, install a fully charged battery pack (see BATTERY OPERATION) or connect tool to external air supply (see Fig. 14 and 14A).

 **WARNING:** Keep tool pointed away from yourself and others at all times.

- Always connect tool to battery pack or air supply before loading fasteners. Do not load fasteners with trigger or safety depressed. (see Figures 14 and 14A). The male connector must be rotated to the 8 o'clock or closed position (A) Fig. 14A for Internal air operation. If External air is to be used, slide switch to the EXT AIR position, then rotate the male connector to the 12 o'clock position (B) Fig. 14A for quick coupling connection. After connection, the male connector can then be rotated to the 3 o'clock position (C) Fig. 14A for operator convenience.
 - Only use approved Porter-Cable fasteners.
 - Operator and all bystanders should always wear Z87.1 approved safety glasses with side shields, and hearing protection when preparing or operating the tool.
 - Never use a tool that leaks air or needs repair.
2. Depress latch (A) Fig. 15 and slide magazine cover open.
 3. Insert a strip of approved fasteners, (B) Fig. 16. Orient fasteners with points down, and in contact with the bottom of the magazine.
 4. Push magazine cover closed, see Fig. 17.
 5. Adjust directional exhaust deflector (A) Fig. 18, so that the exhaust air blast will be directed away from the operator. The exhaust deflector provides 8 detented positions for directing the exhaust blast away from the operator. Grasp the deflector and rotate it to the desired position for the current application.



OPERATION

USING THE TOOL

Complete all steps of PREPARING THE TOOL before using the tool.

To fasten, move switch (A) Fig. 19 to desired position, grip tool firmly, position nose of tool onto work surface, push forward on tool to depress safety, and squeeze trigger to fire a fastener while allowing tool to recoil.

⚠ WARNING: Remove finger from trigger when not driving fasteners. Never carry tool with finger on trigger: tool may fire a fastener if safety is bumped.

⚠ WARNING: Keep tool pointed in a safe direction at all times.

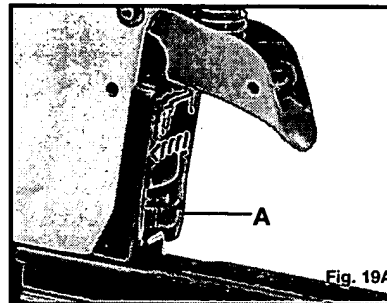
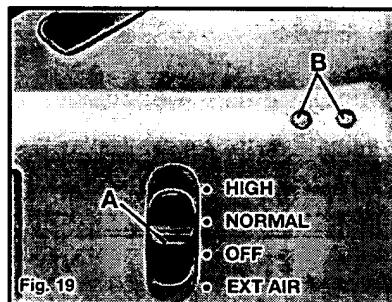
⚠ WARNING: Never attempt to drive a fastener into material that is too hard, or at too steep an angle, or near the edge of the workpiece. The fastener can ricochet causing personal injury.

⚠ WARNING: Disconnect tool from air supply and/or remove battery before performing maintenance, clearing a jammed fastener, leaving work area, moving tool to another location, handing the tool to another person, making adjustments.

⚠ WARNING: Clean and inspect tool daily. Carefully check for proper operation of trigger and safety mechanism. **Do Not** use the tool unless both the trigger and the safety mechanism are functional, or if the tool is leaking air or needs any other repair.

Built in LED self diagnostics (B) Fig. 19 inform the user to the tool's operation status. Tool operation safety status is outlined in the following chart.

LED STATUS	DIAGNOSTIC CONITION	ACTION
• Solid Green LED	Tool up to pressure and safe to operate.	Use tool in normal manner.
• Flashing Green LED	Tool pressure building.	Wait for Solid Green.
• Fast Flashing Red LED	Quick connect valve open.	Rotate quick connect valve to 8 o'clock closed position see (A) Fig. 14A.
• Slow Flashing Red LED	Auto shut down activated.	Turn tool off and on to reset.
• Solid Red LED	Low voltage.	Recharge battery.



The depth to which a fastener is driven is controlled by the depth adjustment knob (A) Fig. 19A. The depth of drive is factory adjusted to a nominal setting. Test fire a fastener and check depth. If a change is desired, rotate the adjustment knob (A) Fig. 19A: the adjustment knob has detents every $\frac{1}{4}$ turn. Rotate the knob clockwise (see Fig. 19A), to increase the depth of drive, rotate the knob counterclockwise to decrease the depth of drive. Test fire another fastener and check depth. Repeat as necessary to achieve desired results. The amount of air pressure required will vary depending on the size of the fastener and the material being fastened. Experiment with the air pressure setting to determine the lowest setting that will consistently perform the job at hand. Air pressure in excess of that required can cause premature wear and/or damage to the tool.

CLEARING A JAMMED FASTENER

1. **⚠ WARNING:** Disconnect tool from air supply and/or remove battery.
2. Open magazine and remove any remaining fasteners (see Fig. 16).
CAUTION: Remove fasteners from tool before opening the fastener guide plate. Fasteners are under pressure and may shoot out of magazine which could cause injury.
3. Depress the quick release latch (A) Fig. 20 and open the fastener guide plate (B) Fig. 20.
4. Remove the jammed fastener (A) Fig. 21.
5. Depress the quick release latch (A) Fig. 20, close the fastener guide plate (B), and release the latch (A).

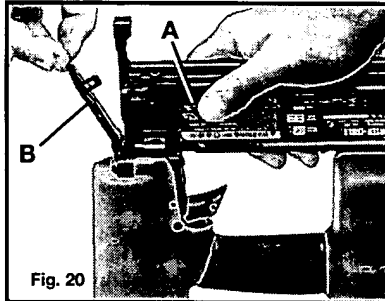


Fig. 20

NOSE CUSHION

This tool is equipped with a rubber nose cushion (A) Fig. 22, that prevents marring of finished surfaces by the metal safety during normal operation. The nose cushion can be removed and stored in the rear area of the magazine (B) Fig. 22, when it is not required.

1. **⚠ WARNING:** Disconnect tool from air supply and/or remove battery before removing or reinstalling rubber nose cushion.

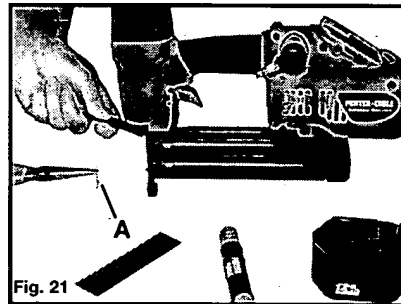


Fig. 21

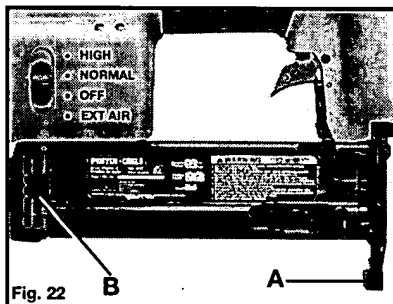


Fig. 22

BATTERY OPERATION

CHARGING THE BATTERY PACK GENERAL

Before using your cordless Nailer for the first time, the battery pack should be fully charged. If the battery pack is installed in the Nailer, remove it by following instructions under INSTALLING OR REMOVING BATTERY PACK.

As a battery pack approaches the discharged state, you will notice a sharp drop in tool performance. When the tool is unable to perform the task at hand, it is time to recharge the battery pack. Recharging the battery pack before this condition is reached will reduce the total work life of the pack. Discharging the pack beyond this point can damage the pack.

NOTE: Battery temperature will increase during and shortly after use. Batteries may not accept a full charge if they are charged immediately after use. Allow the battery pack to cool to room temperature before charging for best results.

The battery charger may rest on the four pads provided on the bottom of the case or be mounted on a wall by utilizing the two key hole slots provided.

CAUTION: Vent slots in top and bottom of charger must not be obstructed. Do not charge battery when temperature is BELOW 40°F or ABOVE 104°F (4.4/40°C).

NORMAL CHARGING

Make sure power circuit voltage is the same as that shown on the charger specification plate. Connect charger to power source. The green light (A) Fig. 23, should begin to flash. This indicates the charger is ready to begin charging.

Position battery pack on charger, align rails (A) Fig. 24 on battery pack with four tabs (C) Fig. 23 on charger. Slide battery forward onto charger until it stops.

The green light (A) Fig. 23, should begin to glow continuously, indicating that the battery pack is receiving a "Fast Charge" (if the green light does not glow continuously, or if the red light (B) Fig. 23, also begins to flash: see DIAGNOSTICS). After approximately one hour, the "Fast Charge" indicator light should go out indicating that the battery pack is fully charged and that the charger is now in a "Trickle Charge" mode. The battery pack can be left on "Trickle Charge" until you are ready to use it.

Depending on room temperature, line voltage, and existing charge level, initial battery charging may take longer than one hour.

Disconnect charger from power source when not in use.

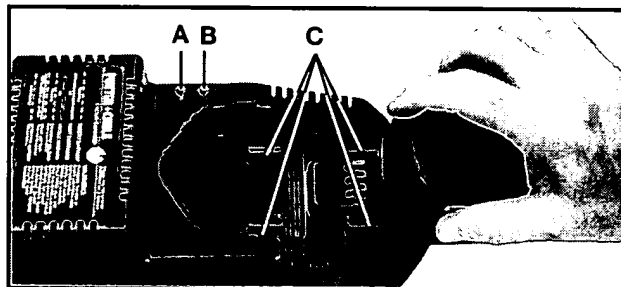


Fig. 23

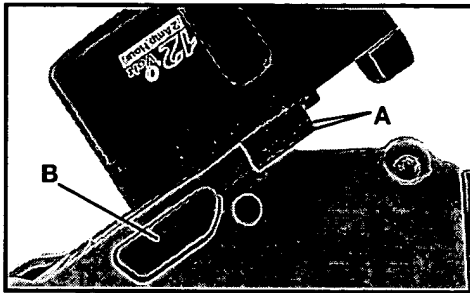


Fig. 24

DIAGNOSTICS

The Porter-Cable Charger is equipped with a diagnostic system that automatically checks the battery pack each time a pack is inserted into the charger. If no problems are found, the charger will automatically switch to "Fast Charge" mode as described in NORMAL CHARGING. If a problem is found, it will be indicated by the charger indicator lights (see Fig. 23), as follows:

- Green light (A) continues to flash after battery pack is inserted in charger: indicates that the battery pack temperature is either too high or too low for charging. If left alone, the charger will continue to monitor the battery pack temperature and will begin charging when the temperature reaches an acceptable level.
- Green light (A) glows continuously and red light (B) flashes: indicates that the battery pack is receiving a "Fast Charge", but the battery pack voltage is low. It is not unusual for a new, or a fully discharged battery pack to give this indication for the first several minutes of charge. If the red light continues to flash throughout the charge cycle, it indicates that the pack is weak and will provide reduced performance (the pack is still useable, but will not provide maximum power or work per charge). This battery pack will probably require replacement in the near future.
- Green light (A) continues to flash and red light (B) flashes: indicates that the battery pack has failed (pack is not chargeable and requires replacement).

INSTALLING OR REMOVING BATTERY PACK


⚠ WARNING: Always set the trigger switch to the locked OFF position when installing or removing the battery pack.

TO REMOVE BATTERY PACK: Depress the battery release button (B) Fig. 24, and pull battery pack out of tool. **NOTE:** As an added safety feature, depressing the battery release button opens the internal pressure relief valve.

TO INSTALL BATTERY PACK: Align rails (A) Fig. 24, on battery pack with slots on tool and push battery pack onto tool until it locks in place.

MAINTENANCE

CLEAN AND INSPECT DAILY

 **WARNING:** Disconnect tool from air supply and/or remove battery before cleaning and inspection. Correct all problems before placing the tool back in use.

Wipe tool clean and inspect for wear or damage. Use non-flammable cleaning solutions to wipe exterior of tool only if necessary. DO NOT SOAK tool with cleaning solutions. Such solutions can damage internal parts.

Inspect trigger and safety mechanism to assure system is complete and functional: no loose or missing parts, no binding or sticking parts.

Keep all screws tight. Loose screws can cause personal injury or damage tool.

If tool is used without an in-line oiler: place 5 - 6 drops of Porter-Cable Air Tool Oil into the air inlet of the tool at the beginning of each workday.

REPLACEMENT PARTS

When servicing use only identical replacement parts.

FAILURE TO START

Should your tool fail to start, make sure battery pack is charged and properly installed.

BATTERY

The battery pack will discharge by itself without damage if stored for long periods of time, and may require recharging before use.

SERVICE AND REPAIRS

All quality tools eventually require servicing or replacement of parts due to wear from normal use. Some user serviceable components are described in the TROUBLESHOOTING Section. Complete product Service is available from either an AUTHORIZED PORTER-CABLE SERVICE STATION or a PORTER-CABLE/DELTA FACTORY SERVICE CENTER. All repairs made by these agencies are fully guaranteed against defective material and workmanship. We cannot guarantee repairs made or attempted by anyone other than these agencies.

Should you have any questions about your tool, feel free to write us at any time. In any communications, please give all information shown on the nameplate of your tool (model number, type, serial number, etc.).

TROUBLESHOOTING

⚠ WARNING: Disconnect tool from air supply and/or remove battery before performing any Service Procedure.

SYMPTOM	PROBLEMS	SOLUTIONS
1. Air leak near top of tool or in trigger area.	Loose screws. Worn or damaged o-rings or seals.	Tighten screws. Install Overhaul Kit.
2. Tool does nothing or operates sluggishly.	Inadequate air supply. Inadequate lubrication. Worn or damaged o-rings or seals.	Verify adequate air supply. Rotate air inlet to 12:00 position and add 5-6 drops of oil. Install Overhaul Kit.
3. Air leak near bottom of tool.	Loose screws. Worn or damaged o-rings or bumper.	Tighten screws. Install Overhaul Kit.
4. Tool jams frequently.	Incorrect fasteners. Damaged fasteners. Magazine or nose screws loose. Magazine is dirty. Driver is worn or damaged.	Verify approved fasteners of correct size. Replace w/undamaged fasteners. Tighten screws. Clean magazine. Install Driver Maintenance Kit.
5. Insufficient nails per battery charge.	Switch set to high position.	Use normal setting to maximize efficiency of tool.
6. Compressor runs continuously and red LED flashes rapidly.	Quick connect valve open.	Rotate quick connect valve to the 8:00 "closed" position.
7. Compressor does not run and red LED flashes slowly.	Automatic shutdown feature activated because tool was idle for two hours.	Turn compressor off and back on to reset controls.
8. Compressor does not run and red LED is on.	Battery voltage too low "discharged".	Recharge or replace battery.
9. Other		Contact a Porter-Cable Service Facility.

ACCESSORIES

A complete line of accessories is available from your Porter-Cable • Delta Supplier, Porter-Cable • Delta Factory Service Centers, and Porter-Cable Authorized Service Stations. Please visit our Web Site www.porter-cable.com for a catalog or for the name of your nearest supplier.

⚠ WARNING: Since accessories other than those offered by Porter-Cable • Delta have not been tested with this product, use of such accessories could be hazardous. For safest operation, only Porter-Cable • Delta recommended accessories should be used with this product.

PORTER-CABLE LIMITED ONE YEAR WARRANTY

Porter-Cable warrants its nailing and stapling tools for a period of one year from the date of original purchase. We will repair or replace at our option, any part or parts of the product and accessories covered under this warranty which, after examination, proves to be defective in workmanship or material during the warranty period. For repair or replacement return the complete tool or accessory, transportation prepaid, to your nearest Porter-Cable Service Center or Authorized Service Station. Proof of purchase may be required. This warranty does not apply to o-rings and driver blades or to repair or replacement required due to misuse, abuse, normal wear and tear or repairs attempted or made by other than our Service Centers or Authorized Service Stations.

ANY IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WILL LAST ONLY FOR ONE (1) YEAR FROM THE DATE OF PURCHASE.

To obtain information on warranty performance please write to: PORTER-CABLE CORPORATION, 4825 Highway 45 North, Jackson, Tennessee 38305; Attention: Product Service. THE FOREGOING OBLIGATION IS PORTER-CABLE'S SOLE LIABILITY UNDER THIS OR ANY IMPLIED WARRANTY AND UNDER NO CIRCUMSTANCES SHALL PORTER-CABLE BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.

NOTES

PORTER-CABLE • DELTA SERVICE CENTERS (CENTROS DE SERVICIO DE PORTER-CABLE • DELTA) (CENTRE DE SERVICE PORTER-CABLE • DELTA)

Parts and Repair Service for Porter-Cable • Delta Power Tools are Available at These Locations
(Obtenga Refaccion de Partes o Servicio para su Herramienta en los Sigüientes Centros de Porter-Cable • Delta)
(Locations où vous trouverez les pièces de rechange nécessaires ainsi qu'un service d'entretien)

ARIZONA Tempe 85282 (Phoenix) 2400 West Southern Avenue Suite 105 Phone: (602) 437-1200 Fax: (602) 437-2200	ILLINOIS Addison 60101 (Chicago) 311 Laura Drive Phone: (630) 628-6100 Fax: (630) 628-0023	MINNESOTA Cleveland 44125 8001 Sweet Valley Drive Unit #19 Phone: (216) 447-9030 Fax: (216) 447-3097	
CALIFORNIA Ontario 91761 (Los Angeles) 3949A East Guest Road Phone: (909) 390-5555 Fax: (909) 390-6554	Woodridge 60517 (Chicago) 2033 West 75th Street Phone: (630) 910-9200 Fax: (630) 910-0380	MISSOURI North Kansas City 64116 1141 Swift Avenue P.O. Box 12393 Phone: (816) 221-2070 Fax: (816) 221-2897	OREGON Portland 97230 4916 NE 122 nd Ave. Phone: (503) 252-0107 Fax: (503) 252-2123
San Leandro 94577 (Oakland) 3039 Teegarden Street Phone: (510) 357-8762 Fax: (510) 357-7939	MARYLAND Elkridge 21075 (Baltimore) 7397-102 Washington Blvd. Phone: (410) 799-9394 Fax: (410) 799-9398	St. Louis 63119 7574 Watson Road Phone: (314) 968-6950 Fax: (314) 968-2790	PENNSYLVANIA Willow Grove 19090 520 North York Road Phone: (215) 658-1430 Fax: (215) 658-1433
FLORIDA Davie 33314 (Miami) 4343 South State Rd. 7 (441) Unit #107 Phone: (954) 321-6635 Fax: (954) 321-6638	MASSACHUSETTS Braintree 02185 (Boston) 719 Granite Street Phone: (781) 848-9610 Fax: (781) 848-6759	NEW YORK Rushing 11365-1595 (N.Y.C.) 175-25 Horace Harding Expwy. Phone: (718) 225-2040 Fax: (718) 423-9819	TEXAS Carrollton 75006 (Dallas) 1300 Interstate 35 N, Suite 112 Phone: (972) 448-2996 Fax: (972) 448-8157
Tampa 33609 4536 W. Kennedy Boulevard Phone: (813) 877-9585 Fax: (813) 289-7948	Franklin 02038 (Boston) Franklin Industrial Park 101E Constitution Blvd. Phone: (608) 520-8802 Fax: (508) 528-8089	NORTH CAROLINA Charlotte 28270 9129 Monroe Road, Suite 115 Phone: (704) 841-1178 Fax: (704) 708-4625	Houston 77055 West 10 Business Center 1008 Wirt Road, Suite 120 Phone: (713) 682-0334 Fax: (713) 682-4887
GEORGIA Forest Park 30297 (Atlanta) 5442 Frontage Road, Suite 112 Phone: (404) 608-0008 Fax: (404) 608-1123	MICHIGAN Madison Heights 48071 (Detroit) 30475 Stephenson Highway Phone: (248) 597-5000 Fax: (248) 597-5004	OHIO Columbus 43214 4560 Indianola Avenue Phone: (614) 263-0929 Fax: (614) 263-1238	WASHINGTON Renton 98055 (Seattle) 268 Southwest 43rd Street Phone: (425) 251-6680 Fax: (425) 251-9337

Authorized Service Stations are located in many large cities. Telephone 800-487-8665 or 731-541-6042 for assistance locating one. Parts and accessories for Porter-Cable • Delta products should be obtained by contacting any Porter-Cable • Delta Distributor, Authorized Service Center, or Porter-Cable • Delta Factory Service Center. If you do not have access to any of these, call 888-848-5175 and you will be directed to the nearest Porter-Cable • Delta Factory Service Center. Las Estaciones de Servicio Autorizadas están ubicadas en muchas grandes ciudades. Llame al 800-487-8665 ó al 731-541-6042 para obtener asistencia a fin de localizar una. Las plazas y los accesorios para los productos Porter-Cable • Delta deben obtenerse poniéndose en contacto con cualquier distribuidor Porter-Cable • Delta, Centro de Servicio Autorizado o Centro de Servicio de Fábrica Porter-Cable • Delta. Si no tiene acceso a ninguna de estas opciones, llame al 888-848-5175 y le dirigirán al Centro de Servicio de Fábrica Porter-Cable • Delta más cercano. Des centres de service agréés sont situés dans beaucoup de grandes villes. Appelez au 800-487-8665 ou au 731-541-6042 pour obtenir de l'aide pour en repérer un. Pour obtenir des pièces et accessoires pour les produits Porter-Cable • Delta, s'adresser à tout distributeur Porter-Cable • Delta, centre de service agréé ou centre de service d'usine Porter-Cable • Delta. Si vous n'avez accès à aucun de ces centres, appeler le 888-848-5175 et on vous dirigera vers le centre de service d'usine Porter-Cable • Delta le plus proche.

CANADIAN PORTER-CABLE • DELTA SERVICE CENTERS

ALBERTA Bay 6, 2520-23rd St. N.E. Calgary, Alberta T2E 8L2 Phone: (403) 735-6166 Fax: (403) 735-6144	MANITOBA 1699 Dublin Avenue Winnipeg, Manitoba R3H 0H2 Phone: (204) 633-9259 Fax: (204) 632-1976	QUÉBEC 1515 Ave. St-Jean Baptiste, Québec, Québec G2E 5E2 Phone: (418) 877-7112 Fax: (418) 877-7123
BRITISH COLUMBIA 8520 Baxter Place Burnaby, B.C. V5A 4T8 Phone: (604) 420-0102 Fax: (604) 420-3522	ONTARIO 505 Southgate Drive Guelph, Ontario N1H 6M7 Phone: (519) 836-2840 Fax: (519) 767-4131	1447, Beglin St-Laurent, (Montréal), Québec H4R 1V8 Phone: (514) 336-8772 Fax: (514) 336-3505

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Printed in U.S.A.